

0005



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CC: Pete Hess OK
for follow-up

April 15, 2002

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Senior Reclamation Specialist *JDS*

RE: 1999 Fourth Quarter Water Monitoring, Energy West Mining Company, Trail Mountain Mine, C/015/009-WQ99-4

1. Were data submitted for all of the MRP required sites? YES [] NO [X]
Identify sites not monitored and reason why, if known:

No data for TM-1B: this well is to be sealed during Phase I reclamation, but until then a sample of water should be analyzed quarterly.

2. On what date does the MRP require a five-year resampling of baseline water data.
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling Due Date

Renewal submittal due 10/21/04, renewal due 02/21/05. Baseline analyses were performed in 1996 and will be repeated every 5 years, i.e., next baseline analyses will be in 2001.

3. Were all required parameters reported for each site? YES [] NO [X]
Comments, including identity of monitoring site:

T-9 (17-21-2 or TM22): only flow and field temperature were reported.

4. Were irregularities found in the data?

YES [X] NO []

Comments, including identity of monitoring site:

SW-3: carbonate (n = 40) outside two standard deviation range and exceeds the previous maximum value recorded in the APPX database, and total alkalinity (n = 96) outside two standard deviation range;

T-8 (17-21-1 or TM21): two samples were taken 20 minutes apart, with a drop in flow from 3 gpm to 0.77 gpm; in the first sample, Mg and HCO₃ are outside the two standard deviation range, in the second sample there are no values that exceed the two standard deviation range;

October (monthly operational) - UPDES 040003-001: total alkalinity (n = 26) outside two standard deviation range and exceeds previous maximum value recorded in the APPX database;

December (monthly operational) - UPDES 040003-002: flow (n = 132) outside two standard deviation range;

Quarterly water quality data are reported for UPDES UG-040003, monthly DMRs are submitted for UT-023728: the numbers need to be consistent.

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []
2nd month, YES [X] NO []
3rd month, YES [X] NO []

Identify sites and months not monitored:

6. Were all required DMR parameters reported?

YES [X] NO []

Comments, including identity of monitoring site:

7. Were irregularities found in the DMR data?

YES [X] NO []

Comments, including identity of monitoring site:

UPDES 0023728-002A- October: TSS 30-day avg (n = 1) and TSS daily max (n = 2) outside two standard deviation range and exceed previous maximum value recorded in the APPX database; total Fe daily max (n = 6) exceeds previous maximum value recorded in the APPX database.

8. Based on your review, what further actions, if any, do you recommend?

TM-1B is to be sealed during Phase I reclamation, but until then a sample of water from this well should be analyzed quarterly for operational parameters.

October DMR data for UPDES 0023728-002A need to be entered into the APPX database.

Quarterly water quality data are reported for UPDES UG-040003, DMRs are submitted for UT-023728: the numbers need to be consistent.

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